Ricoh SMFC210M

SecureFax
Secure Communication With
Total Color Functionality

RICOH

Secure

Versatile

Color

Ricoh SMFC210M

A secure color document communication system

Absolute communication security is the most important thing you need in a SecureFax. The RICOH® SMFC210M SecureFax delivers communication security and much, much more. It's the first SecureFax system to allow you to both transmit and receive full color documents. And it can also print, copy and scan documents in full color. All with the security features you need to accomplish your mission.

Secure**Fax**Copy**Scan**Print**Color**

Secure Document Communication First

The Ricoh SMFC210M SecureFax is designed to operate with the most secure systems of document transmission available today: Secure Terminal Equipment (STE) digital encryption devices, as well as Omni and Secetera Terminals.

- A touch-screen user interface controls all secure communications functions and dramatically simplifies programming and changing communication modes. Easy to understand hints prompt users to the proper communication mode to set their encryption equipment.
- Volatile RAM memory storage ensures that jobs are deleted immediately after job completion or transmission failure—there is no hard drive memory storage to compromise security.
- Secure information is sent directly to another secure fax, so only the intended recipient has access to the information.

Secure-Copy-Print-Scan-Fax Versatility…in Full Color

The Ricoh SMFC210M SecureFax gives you the all-in-one capabilities needed for today's mission—copying, printing, scanning and secure faxing—to handle nearly all of your mission requirements in a single unit.

- No need to deploy separate printer, copier and scanner units with their individual supplies.
- Print at a rapid 31 ppm B&W or 8 ppm color and copy at up to 21 ppm B&W or 7 ppm color—all at up to 1200 dpi resolution.
- Capture even fine details by scanning documents in full color at up to 1200 x 2400 dpi resolution.
- Scan originals at 21 ppm B&W or 7 ppm full color through the 35-page Automatic Document Feeder.
- Minimize print interruptions through the optional 530-sheet paper tray.

The Power of Color

Everyone knows that color can add impact and boost comprehension of any document. But there are also times when color is simply necessary for complete communication.

- The Ricoh SMFC210M SecureFax allows you to send and transmit at up to 100 x 100 dpi standard, 200 x 200 dpi detail, 300 x 300 dpi fine and 400 x 400 dpi super-fine.
- Ensure better comprehension of photos, satellite images, charts, graphs, wiring diagrams, floor plans and other critical color documents.

Fast and Convenient

Speed is essential in any SecureFax system. With its advanced digital technology, the Ricoh SMFC210M SecureFax makes sure your secure communications are received and sent as rapidly as possible.

- Eliminate waiting with the up to 128 Kbps synchronous transmission speed and the 115.2 Kbps asynchronous transmission speed when used with an ISDN-based STE.
- Take the Ricoh SMFC210M SecureFax anywhere at a moment's notice thanks to its compact, transportable design.

The Ricoh SMFC210M SecureFax can be used to send and receive both color and B&W documents.

All-In-One (AIO) supply cartridges ensure fast, easy replacement and protect the system from toner leakage during transport.

Color touch screen control panel simplifies operation in an easy-to-understand user interface.

Ricoh SMFC210M
Specifications

Secure Specifications

Type	Desktop Color Laser SecureFax
Modes/Protocols Supported	Asynchronous – (2.4Kbps – 115.2Kbps) Ricoh Compatible – (2.4Kbps – 9.6Kbps) Synchronous MIL-STD-181-161D – (2.4Kbps – 128Kbps) Color Image Transfer – (2.4Kbps – 115.2Kbps)

Physical Interfaces

Secure Interface	RS232/MIL-STD-188-114:DB25 female
G3	RJ11
Printer Interface	IEEE 1284 Parallel, USB 2.0,
Optional Interface	10/100 Base TX Ethernet

SecureFax Compatibility

Ricoh SFX Series	80M/TE, 4800MD, 2000M/TE, 3900M/MI, 5510MSD, Ricoh Secure PC Card
Other Manufacturers	Ilex 750/760/795/895/890/6000, Cryptek T10
Cryptographic Equipment	STE, STU III, SWT, SCIP, KG84, KY57, KY58, PSC 5, Qsec 2700
PSTN	ITU-T Group 3 facsimile products

SecureFax Scanning Resolutions

Asynch MIL STD	Standard	8 x 3.85 L/mm (200 x 100 dpi)
	Detail	8 x 7.7 L/mm (200 x 200 dpi)
Secure Color Image Transfer	Standard	(100 x 100 dpi)
	Detail	(200 x 200 dpi)
	Fine	(300 x 300 dpi)
	Superfine	(400 x 400 dpi)

Main System

Configuration	Desktop Color Laser MFP
Technology	Laser Beam Scanning & Electro-photographic Printing; Single Component Toner Development

Output Speed (Letter)

Printing	Color	8 ppm
	Monochrome	31 ppm
Copying (ADF)	Color	7 cpm
	Monochrome	21 cpm

Multiple Copying	1 to 99
Warm-up Time	45 seconds or less

First Print Time

Color	< 20 seconds
Monochrome	< 14 seconds

First Copy Time

Color	< 30 seconds
Monochrome	< 20 seconds

Scan/Copy Resolution	600 x 600 dpi / 600 x 300 dpi
Original Type	Sheets, Books, 3D objects
Document Feeding	Standard 35-sheet ADF
Output Size	5.5" x 8.5" to 8.5" x 14"*, Envelopes *with optional legal tray
Standard Paper Capacity	250 x 1
Optional Paper Supplies	530 x 1 (Letter Tray) or 250 x 1 (Legal Tray)
Maximum Paper Capacity	780 sheets

Acceptable Paper Sizes

Standard Tray	Letter (8.5" x 11") A4 (8.3" x 11.7") EXE (7.25" x 10.5") B5 (6.9" x 9.8")
Optional Paper Tray	Letter (8.5" x 11") A4 (8.3" x 11.7") EXE (7.25" x 10.5") B5 (6.9" x 9.8")
Optional Legal Tray	Legal (8.5" x 14") A5 (5.8" x 8.3") HLT (5.5" x 8.5")
Envelopes Via Standard Tray Only	Com10, C5, DL

Acceptable Paper Weights

Standard Tray	16 lb – 55 lb Bond/110 lb Index (60 – 210 gm2)
Optional Letter Tray	16 lb – 28 lb Bond (60 – 105 gm2)
Optional Legal Tray	16 lb – 55 lb Bond/110 lb Index (60 – 210 gm2)

Acceptable Paper Types	Plain paper, thick paper, transparencies, labels, glossy, envelopes
Duplex	Manual
Output Tray Capacity	250 sheets face down
Zoom	25% – 400% in 1% increments
Reduction Ratios	50%, 70%, 78%, 83%, 85%, 91%, 94%, 97%
Enlargement Ratios	104%, 141%, 200%

Print Controller (Standard)

CPU	VR5500A @ 266 MHz (shared)
Memory	128 MB RAM standard, 576 MB RAM maximum
Page Description Languages	Windows/Mac
Print Resolution	Normal Mode 600 x 600 dpi Fine Mode 2400 dpi level
Standard Interfaces	IEEE 1284 Parallel, USB 2.0,
Optional Interface	10/100Base-TX Ethernet
Network Protocols	TCP/IP, IPX/SPX, SMB
Print Drivers/ Operating Systems	Windows® 9x/Me/NT4.0/2000/XP Macintosh OS 9.1 – 9.2, OS X 10.2.4 or later
Utilities	SmartDeviceMonitor for Admin/ Client, Web Image Monitor

Scanner (Standard)

Scanning Modes	Full-color and 256-level grayscale TWAIN scanning
Scanning Resolution	Via Platen Up to 1200 x 2400 dpi (optical) Via ADF Up to 1200 x 600 dpi (optical) Maximum 9600 x 9600 dpi (interpolated)
Scanning Speed	Monochrome 21 originals per minute Full-color 7 originals per minute
Scan Area	Via Platen Up to 8.5" x 11.7" Via ADF Width 5.8" – 8.5", Length 5.8" – 14"
Scanner Utilities & Drivers	TWAIN Driver, Control Center Scanner Utility, OmniPage OCR, PaperPort 9.0SE Image Viewer
Protocol Support	TCP/IP, IPX/SPX, SMB

Facsimile G3

Type	Super G3 Transceiver
Circuit	PSTN, PBX
Number of Lines	1
Compatibility	ITU-T Group 3

Resolution	203 x 98 Standard Mode 203 x 192 Fine Mode 203 x 392 Superfine Mode
Modem Speed	33.6Kbps with Automatic Fallback to 2400bps
Transmission Speed*, **	G3 3 seconds per page (without JBIG compression)
Compression Method	MH/MR/MMR/JBIG
Document Size	Via Platen Up to 11.7" in length Via ADF Width 5.8" – 8.5", Length 5.8" – 14"
Maximum Scanning Width	8.2" (208mm)
Scanning Speed	21 pages per minute
SAF Memory	Up to 400 pages
One-touch Dials	16
Speed Dial Locations	200
Auto Redial	1 time after 5 minutes
Auto Answer	At 0, 1, 2, 3 or 4 rings
PC Faxing	Yes

*Based on ITU-T Test Chart #1 in Standard mode.
**Approximately 3 seconds per page at 33.6Kbps is dependent on optimal line quality. Customer performance may vary by location.

System Specifications

Power Supply	AC 120 V, 50/60 Hz

Power Consumption

Copying	630 W
Standby	170 W

Environment

Temperature	Storage	0–40 C (32–104 F)
	Operating	10–32 C (50–90 F)
Humidity	Storage	10–90% (without condensation)
	Operating	20–80% (without condensation)

Dimensions (WxDxH)	21 x 17.4 x 21 inches
Weight	Approx. 79 lbs Includes paper cassette and toner cartridges

Regulatory and Other Agency Approvals

FCC 15 Class B, UL, cUL, CE, FCC Part 68 I/C
J.I.T.C. MIL-STD Compliance Certification (Pending)

Hardware Accessories

530-sheet Paper Tray
250-sheet Legal Paper Tray
128 MB Memory Unit Type C
256 MB Memory Unit Type C

Consumables and Yields

Black Toner Cartridge	9,800 prints @ 5% coverage
Cyan Toner Cartridge	6,500 prints @ 5% coverage
Magenta Toner Cartridge	6,500 prints @ 5% coverage
Yellow Toner Cartridge	6,500 prints @ 5% coverage
Photoconductor	60,000 developments
Waste Toner Bottle	11,000 developments

The SMFC210M ships with starter toner cartridges with yields of 5,000 pages for Black and 3,000 pages for Cyan, Magenta and Yellow colors at 5% coverage.

Secure Color File Transfer Communication Diagram

Color Documents In — **PSTN** — ISDN — Color Documents Out

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